

**CERCLA OFFSITE DISPOSAL REPORT
ANCHOR METALS FINISHING SITE
EMERGENCY AND RAPID RESPONSE SERVICES
REGION 5**

Prepared for:

U.S. Environmental Protection Agency Region 5
77 W. Jackson Boulevard
Chicago, IL 60604

EPA Contract No. EP-S5-08-02
Task Order No. 0059

Prepared by:

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1.0 INTRODUCTION AND OVERVIEW

This report was prepared by Environmental Quality Management, Inc. (EQ), in accordance with Section F.2.2.C of EQ's Emergency and Rapid Response Services Contract No. EP-S5-08-02. The report summarizes all off-site disposal activities for the following task order site:

Superfund Site Name:	Anchor Metals Finishing Site
State:	Illinois
CERCLIS Number:	ILD982623571

Section 2.0 is a compilation of site specific CERCLA Off-Site Disposal Reports for each waste stream that was identified, characterized, and disposed of at off-site treatment, storage, or disposal facilities.

2.0 CERCLA OFF-SITE DISPOSAL REPORTS

This section contains site specific CERCLA Off-Site Disposal Reports for each waste stream that was identified, characterized, and disposed of at off-site treatment, storage, or disposal facilities. A total of seven (7) waste streams were identified as follows for the Anchor Metals Finishing site:

<u>Waste Stream No.</u>	<u>Type/Form</u>
1. Plating Solids	Non-Hazardous/Solid or Solidified Waste
2. RCRA Empty Containers	Non-Hazardous/Solid or Solidified Waste
3. Base Liquids	Other RCRA-listed Hazardous Wastes/ Liquid Waste
4. Flammable Liquids	Solvents/Liquid Waste
5. Muriatic Acid	Acids/Liquid Waste
6. Oil	Solvents/Liquid Waste
7. Base Solids	Non-Hazardous/Solid or Solidified Waste

Plating Solids

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|--|---|
| <input type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input type="checkbox"/> Acids | <input checked="" type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
_____ | |
| <input checked="" type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 37
☐ Cubic Yards(CY) ☐ Lab Packs
☐ Gallons (Gal) ☒ Tons
☐ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
Non-Hazardous Solids 100%
6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☒ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):
WM-Countryside Landfill

Grayslake, Illinois

Not Applicable

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 10-20-10

10. Date of Shipment 12-8-10, 1-6-11 & 1-20-11

Date of Disposal: 12-8-10, 1-6-11 & 1-20-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☐ Solidification

☐ Stabilization

☐ Neutralization

☐ Fixation

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Incineration

☐ Land Treatment

☐ Recovery/Re-Use

☐ Neutralization

☒ Landfill

☐ Injection

☐ Other

13. If waste was landfilled:

- what disposal cell number or location? Cell 5C

- Type of liner in cell (e.g. PVC, Clay, hypalon) 3 foot of compacted clay with a 60 mil HDPE liner

14. Cost of Activities:

- Cost based on treatment/disposal only: \$1,172.08

- Cost for transportation: \$1,310.59

RCRA Empty Containers

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|--|---|
| <input type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input type="checkbox"/> Acids | <input checked="" type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
_____ | |
| <input checked="" type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 6
☐ Cubic Yards(CY) ☐ Lab Packs
☐ Gallons (Gal) ☒ Tons
☐ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
RCRA Empty Containers 100%

6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☐ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):
WM-Countryside Landfill

Grayslake, Illinois

Not Applicable

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 10-20-10

10. Date of Shipment 1-5-11 & 1-21-11

Date of Disposal: 1-5-11 & 1-21-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☒ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- what disposal cell number or location? Cell 5 C

- Type of liner in cell (e.g. PVC, Clay, hypalon) 3 foot of compacted clay with a 60 mil HDPE liner

14. Cost of Activities:

- Cost based on treatment/disposal only: \$357.98

- Cost for transportation: \$700.00

Base Liquids

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|---|---|
| <input type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input checked="" type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input type="checkbox"/> Acids | <input type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input checked="" type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
<u>Base</u> | |
| <input type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 3,500
☐ Cubic Yards(CY) ☐ Lab Packs
☒ Gallons (Gal) ☐ Tons/Lbs
☐ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
pH >12.5

6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☒ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):

EQ Illinois

Harvey, Illinois

ILD000666206

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 1-5-11

10. Date of Shipment 1-18-11

Date of Disposal: 1-19-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☒ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☐ None

12. Final method of treatment or disposal/unit receiving:

☒ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- what disposal cell number or location? Not Applicable

- Type of liner in cell (e.g. PVC, Clay, hypalon) Not Applicable

14. Cost of Activities:

- Cost based on treatment/disposal only: \$3,500.00

- Cost for transportation: \$1,408.25

Flammable Liquids

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|--|---|
| <input checked="" type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input checked="" type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input type="checkbox"/> Acids | <input type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
_____ | |
| <input type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 10
☐ Cubic Yards(CY) ☐ Lab Packs
☐ Gallons (Gal) ☐ Tons/Lbs
☒ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
Flash Point <140°F

6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☒ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):

Petro-Chem Processing Group
Detroit, Michigan
MID980615298

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 1-5-11

10. Date of Shipment 1-24-11

Date of Disposal: 2-23-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☒ Other- Fuels Blending

13. If waste was landfilled:

- what disposal cell number or location? Not Applicable

- Type of liner in cell (e.g. PVC, Clay, hypalon) Not Applicable

14. Cost of Activities:

- Cost based on treatment/disposal only: \$445.80

- Cost for transportation: \$131.40

Muriatic Acid

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|--|---|
| <input type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input checked="" type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input checked="" type="checkbox"/> Acids | <input type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
_____ | |
| <input type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 2
☐ Cubic Yards(CY) ☐ Lab Packs
☐ Gallons (Gal) ☐ Tons/Lbs
☒ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
pH <2

6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☒ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):

Petro-Chem Processing Group

Detroit, Michigan

MID980615298

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 1-5-11

10. Date of Shipment 1-24-11

Date of Disposal: 2-9-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☒ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☐ None

12. Final method of treatment or disposal/unit receiving:

☒ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- what disposal cell number or location? Not Applicable

- Type of liner in cell (e.g. PVC, Clay, hypalon) Not Applicable

14. Cost of Activities:

- Cost based on treatment/disposal only: \$259.16

- Cost for transportation: \$26.28

Oil

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|--|---|
| <input checked="" type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input checked="" type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input type="checkbox"/> Acids | <input type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
_____ | |
| <input type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 6
☐ Cubic Yards(CY) ☐ Lab Packs
☐ Gallons (Gal) ☐ Tons/Lbs
☒ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
Oil 75%

6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☒ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):

Petro-Chem Processing Group
Detroit, Michigan
MID980615298

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 1-5-11

10. Date of Shipment 1-24-11

Date of Disposal: 2-23-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☐ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☒ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☐ Landfill

☐ Land Treatment

☐ Injection

☒ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- what disposal cell number or location? Not Applicable

- Type of liner in cell (e.g. PVC, Clay, hypalon) Not Applicable

14. Cost of Activities:

- Cost based on treatment/disposal only: \$311.16

- Cost for transportation: \$78.84

Base Solids

1. Superfund Site Name: Anchor Metal Finishing
CERCLIS # ILD982623571 State: Illinois
2. Type of Action
☒ Removal ☐ Remedial
☒ Fund Financed ☐ Fund Financed
☐ PRP Financed ☐ PRP Financed
3. Type and Form of waste; if more than one type, attach separate sheet for this and remaining questions for each type:
- | Type: | Form: |
|--|---|
| <input type="checkbox"/> Solvents | <input type="checkbox"/> Wastewater |
| <input type="checkbox"/> Dioxins/Furans | <input type="checkbox"/> Liquid Waste |
| <input type="checkbox"/> Cyanide | <input type="checkbox"/> Organic Sludge (greater than 1% Total Solids) |
| <input type="checkbox"/> Heavy Metals (Specify)
_____ | <input type="checkbox"/> Inorganic Sludge (less than 1% Total Organic Carbon) |
| <input type="checkbox"/> Acids | <input checked="" type="checkbox"/> Solid or Solidified Waste |
| <input type="checkbox"/> PCBs | <input type="checkbox"/> Contaminated Soil and Debris |
| <input type="checkbox"/> Halogenated Organics | |
| <input type="checkbox"/> Other RCRA-listed Hazardous Wastes (Specify)
_____ | |
| <input checked="" type="checkbox"/> Non-hazardous or de-listed Wastes | |
4. Quantity of Waste: 17
☐ Cubic Yards(CY) ☐ Lab Packs
☐ Gallons (Gal) ☐ Tons/Lbs
☒ Drums
5. Range, average, and/or representative concentration of the contaminants of concern
pH > 12.5

6. Pre-treatment of waste before transportation:
☐ Precipitation ☐ Neutralization
☐ Solidification ☐ Fixation
☐ Stabilization ☐ Other
☒ None
7. Receiving RCRA facility name/location/I.D. No./unit(s):

Petro-Chem Processing Group
Detroit, Michigan
MID980615298

8. Receiving Region: 5

9. Receiving Region Offsite Contact (RROC):

Name: Will Damico

Date: 1-5-11

10. Date of Shipment 1-24-11

Date of Disposal: 2-10-11

11. Pre-treatment of waste at site before final treatment or disposal:

☐ Precipitation

☒ Neutralization

☐ Solidification

☐ Fixation

☐ Stabilization

☐ Other

☐ None

12. Final method of treatment or disposal/unit receiving:

☐ Precipitation

☐ Neutralization

☐ Incineration

☒ Landfill

☐ Land Treatment

☐ Injection

☐ Recovery/Re-Use

☐ Other

13. If waste was landfilled:

- what disposal cell number or location? Subtitle D

- Type of liner in cell (e.g. PVC, Clay, hypalon) 3 foot of compacted clay with a
60 mil HDPE liner

14. Cost of Activities:

- Cost based on treatment/disposal only: \$693.60

- Cost for transportation: \$223.38